

Shiva Nagesh M

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PROFESSIONAL SUMMARY

Devops Engineer with 3.6 years of hands-on experience automating and optimizing mission critical deployments in AWS, Proficient with Container Orchestration tools and in developing CI/CD Pipelines.

EXPERIENCE SUMMARY

- Currently working as System Engineer with **TATA consultancy Services India Pvt.Ltd,Bangalore(Client: Nexperia)** .
- Experience in **GIT,Github** and Bug tracking tools.
- **Experience in developing and maintaining CI/CD using tools like Git,Jenkins, SonarQube,Nexus, Ansible,Docker,Kubernetes,Terraform and AWS Cloud.**
- Understanding of Source Code Management activities like designing, branching guidelines, merging and administrative activities, repository back-ups , tagging etc.
- Comprehensive knowledge in using Maven scripts for all the build scripts to automate the Compilation, Deployment
- Having good implementation experience with installation and configuration of Kubernetes and Clustering them and managed local deployments in Kubernetes.
- Provided consistent environment using-Kubernetes for deployment scaling and load balancing to the application from development through production, easing the code development and deployment pipeline by implementing Docker containerization.
- Designing and implementing Continuous planning,Continuous Integration,Continuous Delivery and Continuous Feedback pipelines.
- Experience working on several docker Components like Docker Engine,creating Docker Images, Docker Registry and handling multiple images primarily for domain configuration
- Managed environments DEV,QA,UAT and NON PROD for various releases and designed instance strategies.

TECHNICAL SKILLS

- Operating System : Microsoft Windows ,Red hat Linux Administrator.
- Version Control : Git, Git Hub
- Build Tools : Maven
- Web Server : Nginx
- CI : Jenkins
- Virtualization : Docker,Kubernetes

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- CM Tool : Ansible
- Repository Manager : Nexus
- AWS Services : AWS Services EC2, S3, ELB, Auto scaling Groups etc.
- Monitoring : AWS Cloud Watch, prometheus and Grafana
- SDLC : Agile
- Scripting : Shell, Python
- InfraStructure As Code : Terraform

PROJECT-1

DevOps Engineer ,Linux Administrator

Client	: Ericsson IT
Role	: DevOps Engineer, Linux Administration.
Team Size	: 4
Duration	: Aug 2017 - sep 2018

Responsibilities:

- User Management by creating users and adding users to multiple Groups and configure user settings with **chage**.
- Experience in Monitor and manage Linux process using multiple linux commands and assigning the **nice value** to priority the process .
- Installing packages by Package Management using yum following the process of ISET(Install -> Start -> Enable->Test).
- Written multiple shell scripts by Configuring Secure SSH.
- Experience in Log Management with Log Rotation .
- Experience in Managing Linux File Systems with F disk and G disk and mounting the device to the server.
- Installing Red hat Linux on multiple systems using Automated Installation with kickstart.
- Scheduling Multiple jobs with Cron tab, Atd and creating disk ,partitions using F disk.
- Experience in creating Logical Volume Management.
- Experience in implementing NFS(Network File System),SAMBA(Common Internet File System), and ISCS.
- Secured Red hat Linux systems with Firewalls and se Linux.
- secured applications running on Apache and tomcat server by installing TLS certificates.
- Automated Enovia Environment Setup with Ansible (Simple ENV- 24 hours Complex Env :- 7 Days With Devops Automation :- Simple Env - 4-6 hours ,Complex Env:- 1-2 Days)

PROJECT-2

Devops Engineer

Client	: Ericsson IT
Role	: Linux Administration, Devops Engineer.
Team Size	: 4
Environment	: Git,Jenkins,Linux,AWS Cloud,,Nexus,Docker,Terraform
Duration	: Sep 2018 - Oct 2019

Responsibilities:

- Experienced in working with version control systems like **GIT,Maintained GIT workflows** and used Source code management client tools like GitHub.
- Experience in and demonstrated understanding of source control management concepts such as branching, merging, labeling and integration.
- Administered and Installed **Nexus** Artifact repository to deploy the artifacts generated by MAVEN and to store the dependent jars, which are used during the build.
- Interacting with developers to sort out issues related to Build Automation creating WAR files by using Maven
- Designing and implementing CI (Continuous Integration) system: configuring **Jenkins Servers & Jenkins nodes**
- Extensively worked on Jenkins for continuous integration and for End to End automation for all build and deployments.
- Working with Development team to debug Jenkins Build/Job failure ensure Build/Jobs gets succeed
- Working Experience in Docker containerization, installation of docker, Creation of Docker containers and images, connecting to Docker containers, running Docker processes ,Working on Docker files.
- Experienced in **Agile Methodologies and SCRUM** Process.
- Installed Kubernetes on premise server using Kubeadm
- Configured NAGIOS monitoring tool to maintain the number of servers on different environments
- Automated AWS Services like EC2,VPC,Route53,ELB,Auto Scaling ,RDS using terraform.

PROJECT- 3

Devops Engineer

Client	: Nexperia
Role	: Linux Administration,DevOps Engineer
Environment	: GIT, Jenkins,Maven,Ansible,Kubernetes
Duration	: Oct 2019 - Present

Responsibilities:

- Installed and configuration of **GIT**,Merging code and develop branch to master branch and make it ready for deployment
- Launching and configuration of Amazon EC2 cloud services using AMI's(Linux/Ubuntu) and configuring the servers for specified applications using Jenkins
- Configured Jenkins Master-Slave Architecture using **Jenkins** to build Jobs in the view of distributing the load of Jenkins Master and achieved parallel builds
- Responsible for creating the new build setup and new projects using Jenkins
- Promoting Artifacts from one environment to another environment,Automated nightly builds for all environments and reporting mechanisms
- Responsible for software Configuration Management,Installing software and maintaining the Build Environment using Ansible
- Managed Docker orchestration and Docker containerization using Kubernetes.
- Used Kubernetes to orchestrate the deployment, scaling and management of Docker Containers
- Worked with the development ,support and infrastructure teams to create a comprehensive schedule of all release activities across all environments
- Versioning and Keeping track of all builds and artifacts for backup and rollback strategy
- Used Bug Tracking tool to track all the defects and changes related to build and Release Team.
- Prepared and Maintained Build, Release and Deployment documents.
- Worked on Cyber ark ConJur to avoid hard coding of secrets on CI/CD tools.
- Automated AWS Services like EC2,VPC,Route53,ELB,Auto Scaling ,RDS using terraform.

Education Qualification Details

- B. Tech (Mechanical Engineering) from GITAM UNIVERSITY Visakhapatnam, with an aggregate of 81.3 %.
- Intermediate from Andhra Pradesh Board of Intermediate Education with an aggregate of 91.2 %
- 10th class from SSC with an aggregate of 86.6%

PERSONAL DEMOGRAPHICS

Father's Name : M Praveen Kumar
Date of Birth : 12 DEC 1995
Gender : Male
Marital Status : Single
Languages known : Telugu, English, Hindi.

I hereby declare that all the data furnished above are true to the best of my knowledge.

Regards,
Shiva Nagesh
(8919835822)